

Remarks

Applicant respectfully requests reconsideration of this application as amended. No claims have been amended. No claims have been cancelled. Therefore, claims 1-29 are presented for examination.

Claim 1 stands rejected under 35 U.S.C. §102(b) as being anticipated by Horiguchi et al. (U.S. Patent No. 4,561,103). Applicant submits that the present claims are patentable over Horiguchi.

Horiguchi discloses a technique for inspecting picture patterns on prints which are being run in a rotary press, and more particularly to a method in which reference data read out of a reference print is written in a memory, and inspection data read out of a print under inspection is compared with the reference data for every picture element for instance to determine whether or not the print is acceptable, and an apparatus for practicing the method. The specific feature of the invention resides in that (1) in reading the above-described data a print running speed or the position of a picture pattern in the direction of width is detected to rewrite the reference data, (2) in data comparison, the comparison level is optionally set up, and (3) the data comparison is carried out not only for every picture element, but also for the sum of picture elements over the entire picture pattern and for the sum of picture elements arranged linearly in the print running direction. See Horiguchi at Abstract.

Claim 1 of the present application recites an alignment process that creates an initial replacement image from a scanned image, and the replacement scanned image being aligned with a digitized source image on a page by page, line by line, and pel by pel basis. Applicant submits that Horiguchi fails to disclose, or reasonably suggest, an alignment process that creates an initial replacement image from a scanned image. Moreover, nowhere in Horiguchi

is there disclosed a process of aligning a replacement scanned image being with a digitized source image. Therefore, claim 1 is patentable over Horiguchi.

Claims 2-10 and 11-29 stand rejected under 35 U.S.C. §102(b) as being anticipated by Hansen et al. (U.S. Patent No. 7,013,803). Applicant submits that the present claims are patentable over Hansen.

Hansen discloses a color registration control system for a printing press including an area scanner for acquiring an image of a paper substrate and an image processing system adapted to receive the image and process the image to determine any color register error. See Hansen at Abstract.

Claim 2 of the present application recites an alignment process that creates an initial replacement image from a scanned image, and the replacement scanned image being aligned with a digitized source image on a page by page, line by line, and pel by pel basis. Applicant submits that Hansen fails to disclose, or reasonably suggest, an alignment process that creates an initial replacement image from a scanned image. The Office Action maintains that Figure 7 and column 7, lines 13-28 of Hansen discloses an alignment process. See Office Action at page 4, at lines 3-8.

Applicant respectfully submits that the relied upon portions of Hansen does not disclose or suggest an alignment process that creates an initial replacement image from a scanned image and aligns the replacement scanned image with a digitized source image. Figure 7 and the corresponding text of Hansen discloses a predefined register mark pattern printed to measure positions of color register marks. The pattern 306 includes four marks of one ink color and one mark of each of the other three ink colors, however, other patterns can also be utilized. Such register marks cannot reasonably construed as a replacement image

from a scanned image that is aligned with a digitized source image. Therefore, claim 2 and its dependent claims are patentable over Hansen.

Claim 23 of the present application recites embedding two or more synchronization-strips into a digitized source image to form a marked source image wherein the embedded synchronization-strips contains line identification of one or more lines of a printed copy. Applicant submits that nowhere in Hansen is there disclosed a process of embedding synchronization-strips into a digitized source image. Thus, claim 23 and its dependent claims are patentable over Hansen.

Independent claim 27 includes limitations similar to those recited in claim 23, and therefore is patentable over Hansen for reasons similar to those discussed above with respect to claim 23.

Applicant submits that the rejections have been overcome and that the claims are in condition for allowance. Accordingly, applicant respectfully requests the rejections be withdrawn and the claims be allowed.


The Examiner is requested to call the undersigned at (303) 740-1980 if there remains any issue with allowance of the case.

Please charge any shortage to our Deposit Account No. 02-2666.

Respectfully submitted,

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